

OPERATING SPEED AUTOMATIC REGULATING DEVICE FOR PASSENGER CONVEYOR

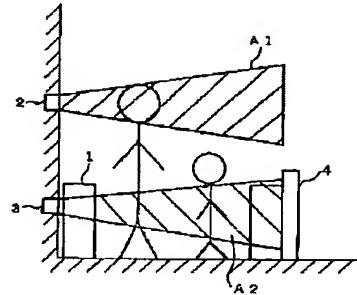
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[21] **Application No.:** JP10068118

[22] **Filed:** 19980318

[43] **Published:** 19990928



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[57] Abstract:

PROBLEM TO BE SOLVED: To automatically regulate the operation speed to a speed suitable for the aged and children considered to be relatively short by regulating the operation speed on the basis of the output signal of a means for judging the height of a passenger provided near the platform of a passenger conveyor.

SOLUTION: This device is provided with a human body detecting means 2 having a detection range A1 detectable of a tall person of about adult, and a human body detecting means 3 having a detection range A2 detectable of a relatively short person as the aged and children. When a grown-up passenger utilizes a passenger conveyor, since the passenger approaches the detection ranges A1, A2, and both the detecting means 2, 3 detect the passenger, the passenger conveyor performs a general operation. When a relatively short person as the aged or child, since only the human body detecting means 3 detects the passenger, a speed switching signal is outputted from an output circuit, and the operation speed of the passenger conveyor is switched to a relatively slow prescribed speed.

[51] Int'l Class: B66B03100 B66B02112 B66B02500